**3.1 and 3.2 – Word Equations and Balancing – Practice Quiz #1**

Total = \_\_\_\_\_\_ / 16 = % Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. For the following reactions, write these things: word equation, skeleton equation, balanced equation, type of reaction. Don’t forget to **include the STATES**. (8 marks)
   1. Vanadium (V) oxide and calcium sulphide react in solution to form aqueous calcium oxide and vanadium (V) sulphide precipitate.

W. E. 🡪

S. E. 🡪

B. E. 🡪

Reaction Type 🡪

* 1. When butane gas is burned in oxygen, carbon dioxide gas and water vapour are produced.

W. E. 🡪

S. E. 🡪

B. E. 🡪

Reaction Type 🡪

1. Balance the following reactions, and identify the type of reaction. (8 marks)
   1. \_\_\_ H2SO4 + \_\_\_ B(OH)3 🡪 \_\_\_ B2(SO4)3 + \_\_\_ H2O R.T. =
   2. \_\_\_ S8 + \_\_\_ O2 🡪 \_\_\_SO2 R.T. =
   3. \_\_\_ Fe + \_\_\_ AgNO3 🡪 \_\_\_ Fe(NO3)2 + \_\_\_ Ag R.T. =
   4. \_\_\_ NaClO3 🡪 \_\_\_ NaCl + \_\_\_ O2 R.T. =